



Seq. ID No: 12

SEQUENCE

MRGSGTGAAL	LVLLASVLWV	TVRSQQRGLF	PAILNLATNA	HISANATCGE	KGPEMFCKLV
EHVPGRPVHR	AQCRVCDGNS	TNPRERHPIS	HAIDGTNNWW	QSPSIQNGRE	YHWVTVTLDL
RQVFQVAYII	IKAANAPRPG	NWILERSVDG	VKFKPWQYYA	VSDTECLTRY	KITPRRGPPPT
YRADNEVICT	SYYSKLVPLE	HGEIHTSLIN	GRPSADDPSP	QLLEFTSARY	IRLRLQRI RT
LNADLMTLSH	RDLRDLPIV	TRRYYSIKD	ISVGGMCICY	GHASSCPWDE	EAKQLQCQCE
HNTCGESCDR	CCPGYHQQPW	RPGTISSGNE	CEECNCHNKA	KDCYYDSSVA	KERRSLNTAG
QYSGGGVVCVN	CSQNTTGINC	ETCIDQYYRP	HKVSPYDDHP	CRPCNCDPVG	SLSSVICIKDD
RHADLANGKW	PGQCPCRKG Y	AGDKCDRCQF	GYRGFPNCIP	CDCRTVGS LN	EDPCIEPCLC
KKNVEGKNCD	RCKPGFYNLK	ERNPEGCSEC	FCFGVSGVCD	SLTWSISQVT	NMSGWLVTDL
MSTNKIRSQQ	DVLGGHRQIS	INN TAVMQRL	TSTYYWAAPE	AYLGNKLTAF	GGFLKYTVSY
DIPVETVDS D	LM SHADII IK	GNGLTISTRA	EGLSLQPYEE	YFNVVRLVPE	NFRDFNTRRE
IDRDQLMTVL	ANVTHLLIRA	NYNSAKMAL Y	RLDSVSLDIA	SPNAIDLAVA	ADVEHCECPQ
GYTGTSC EAC	LPGYYRVDGI	LFGGICQPCE	CHGHASECDI	HGICSVCTHN	TTGDHCEQCL
PGFYGTSPRG	TPGDCQPCAC	PLSIDSN NFS	PTCHLTDGEE	VVCDQCAPGY	SGSWCERCAD
GYGNGPTVPG	GTCVPCNCSG	NVDPLEAGHC	DSVTGECLKC	LWNTDGAHCE	RCADGFYGDA
VTAKNCRACD	CHENGSLSGV	CHLETGLCDC	KPHVTGQQCD	QCLSGYYGLD	TGLGCVPCNC
SVEGSVSDNC	TEEGQCHCGP	GVS GKQCDRC	SHGFYAFQDG	GCTPCDCAHT	QNNCDPASGE
CLCPHQTQGL	KCEECEEAYW	GLDPEQGCQA	CNCSAVGSTS	AQCDVLSGHC	PCKKGFGGQS
CHQCSLG YRS	FPDCVPCGCD	LRGTLPTD CD	LEQGLCSCSE	DSGTCCKEN	VVGPQCSKCQ
AGTFALRGDN	PQGCSPCFCF	GLSQLCSELE	GYVRTLITLA	SDQPLLHVVS	QSNLKG TIEG
VHFQPPDTLL	DAEAVRQHIY	AEPFYWRLPK	QFQGDQLLAY	GGKLQYSVAF	YSTLGTGTSN
YEPQVLIKGG	RARKHVIYMD	APAPENGVRQ	DYEVQMKEEF	WKYFNSVSEK	HVTHSDFMSV
LSNIDYILIK	ASYGQLQQS	RIANISMEVG	RKAVELPAEG	EAALLLELCV	CPPGTAGHSC
QDCAPGY YRE	KLPESGGRGP	RPLLAPCVPC	NCNNHSDVCD	PETGKCLSCR	DHTSGDHCEL
CASGYYGKVT	GLPGDCTPCT	CPHHPPFSFS	PTCVVEGDS D	FRCNACLPGY	EQGYCERCSA
GYHGNPRAAG	GSCQTCDCNP	QGSVHSDCDR	ASGQCVCKPG	ATGLHCEKCL	PRHILMESDC
VSCDDDCVGP	LLNDLDSVGD	AVLSLNL TGV	SPAPYGILEN	LENTTKYFQR	YLIKENAKKI
RAEIQLEGIA	EQTENLQKEL	TRVLARHQKV	NAEMERTSNG	TQALATFIEQ	LHANIKEITE
KVATLNQTAR	KDFQPPVSAL	QSMHQNISSL	LGLIKERNFT	EMQQNATLEL	KAADLLSRI
QKRQKQPQEK	LKALKEANS L	LSNHSEKLQA	AEELLKEAGS	KTQESNLLLL	LVKANLKEEF
QEKKL RVQEE	QNV TSELI AK	GREWVDAAGT	HTAAAQDTLT	QLEHHRDELL	LWARKIRSHV
DDLVMQMSKR	RARDLVHRAE	QHASELQSR A	GALDRDLE NV	RNVSLNATSA	AHVHSNIQTL
TEEAEMLAAD	AHKTANKTDL	ISESLASRGK	AVLQRSSRFL	KESVGTRRKQ	QGITMKLDEL
KNLTSQFQES	VDNITKQAND	SLAMLRESPG	GMREKGRKAR	ELAAAAANESA	VKTLEDVLAL
SLRVFN TSED	LSRVNATVQE	TNDLLHNSTM	TTLLAGRKMK	DMEMQANLLL	DRLKPLKTLE
ENLSRNLSEI	KLLISRARKQ	AASIKVA VSA	DRDCIRAYQP	QTSSTNYNTL	ILNVKTQEPD
NLLFYLGSSS	SSDFLAVEMR	RGKVAFLWDL	GS GSTRLEFP	EVSINNNRWH	SIYITRFGNM
GSLSVKEASA	AENPPVRTSK	SPGPSKVLDI	NNSTLMFVGG	LGGQIKKSPA	VKVTHFKGCM
GEAFLNGKSI	GLWNYIEREG	KCNGCFGSSQ	NEDSSFHFDG	SGYAMVEKTL	RPTVTQIVIL
FSTFS P NGLL	FYLASNGTKD	FLSIELVRGR	VKVMVDLGS G	PLTLM TDRRY	NNGTWYKIAF
QRNRKQGLLA	VFDAYDTSDK	ETKQGETPGA	ASDLNRLEKD	LIYVGGLPHS	KAVRKG VSSR
SYVGC IKNLE	ISRSTFDLLR	NSYGVVRKGA	LEPIQSVSFL	RGGYVEMPPK	SLSPESSLLA
TFATKNSSGI	LLVALGKDAE	EAGGAQAHVP	FFSIMLLEGR	IEVHVNSGDG	TSLRKALLHA
PTGSYSDGQE	HSISLVRNRR	VITI QVDENS	PVEMKLGLPT	EGKTIDISNL	YIGGLPEDKA
TPMLKMRTSF	HGCIKNVVLD	AQLLDFTHAT	GSEQVELDTC	LLAE EPMQSL	<u>HREHGELPPE</u>
PPTLPQPELC	AVDTAPGYVA	GAHQFGLSQN	SHLVLPLNQS	DVRKRLQVQL	SIRTFASSGL
IYYVAHQNM	DYATLQLQEG	RLHFMFDLGK	GRTKVSHPAL	LSDGKWH TVK	TEYIKRKAFM
TVDGQESPSV	TVVG NATTLD	VERKLYLGGL	PSHYRARNIG	TITHSIPACI	GEIMVNGQQL
DKDRPLSASA	VDRCYVVAQE	GTFEGESGYA	ALVKEGYKVR	LDLNITLEFR	TTSKNGVLLG
ISSAKVDAIG	LEIVDGKVL F	HVNNGAGRIT	ATYQPRAARA	LCDGKWH TLQ	AHKS KHRIVL
TVDGNSVRAE	SPHTHST SAD	TNDPIYVGGY	PAHIKQNCLS	SRASFRGCVR	NLRLSRGSQV
QSLDLSRAFD	LQGVFPHSCP	GPEP			

FIGURE 10